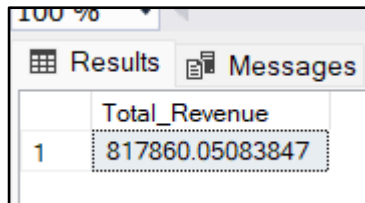# Pizza Sales SQL Queries

A. KPI's

1. Total Revenue:

```
select sum(total_price) as Total_Revenue from pizza_sales;
```

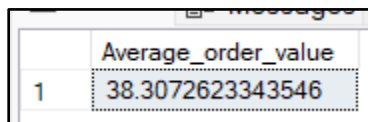|	Total_Revenue
1	817860.05083847

2. Average Order value

```
select sum(total_price) / count(DISTINCT order_id) as Average_order_value from pizza_sales
```
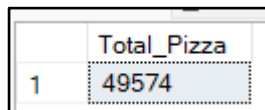
	Average_order_value
1	38.3072623343546

3. Total Pizza Sold

```
select sum(quantity)  as Total_Pizza from pizza_sales
```
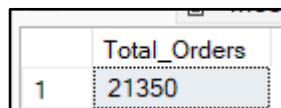
	Total_Pizza
1	49574

4. Total Orders

```
select count(distinct order_id) as Total_Orders from pizza_sales
```
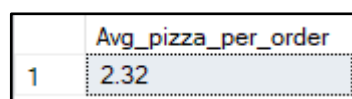
	Total_Orders
1	21350

5. Average Pizza Per Order

```
select Cast(Cast(sum(quantity) as decimal(10,2)) / cast(count(distinct
order_id) as decimal(10,2)) as Decimal(10,2))as Avg_pizza_per_order from
pizza_sales
```

	Avg_pizza_per_order
1	2.32

B. Daily Trend For Total Orders

```sql
select Datename(DW, ORDER_DATE) as Order_day, count(distinct order_id) as
Total_orders from pizza_sales
group by dateName(DW, order_date)
```

	Order_day	Total_orders
1	Saturday	3158
2	Wednesday	3024
3	Monday	2794
4	Sunday	2624
5	Friday	3538
6	Thursday	3239
7	Tuesday	2973

C. Hourly Trend For Total Orders

```sql
select Datepart(HOUR, order_time) as Order_Hours, Count(distinct order_id) as
Total_Orders from pizza_sales
group by datepart(HOUR, order_time)
order by datepart(HOUR, order_time)
```

	Order_Hours	Total_Orders
1	9	1
2	10	8
3	11	1231
4	12	2520
5	13	2455
6	14	1472
7	15	1468
8	16	1920
9	17	2336
10	18	2399
11	19	2009
12	20	1642
13	21	1198
14	22	663
15	23	28

D. Percentage of Sales by Pizza Category

```
select pizza_category, sum(total_price) * 100/ (select sum(total_price) from
pizza_sales) as PCT
from pizza_sales group by pizza_category
```

	pizza_category	PCT
1	Classic	26.9059602306976
2	Chicken	23.9551375322885
3	Veggie	23.6825910258677
4	Supreme	25.4563112111462

Query for Percentage of sales by pizza category for January month:

```
select pizza_category, sum(total_price) * 100/
(select sum(total_price) from pizza_sales where Month(order_date) = 1) as PCT
from pizza_sales
where Month(order_date) = 1
group by pizza_category
```

	pizza_category	PCT
1	Classic	26.6779189176038
2	Chicken	23.1952780348435
3	Veggie	24.4370162489706
4	Supreme	25.6897867985821

E. % of sales By Pizza Size

```
select pizza_size, cast(sum(total_price)  * 100/
(select sum(total_price) from pizza_sales) as decimal(10,2)) as PST
from pizza_sales
group by pizza_size
order by pizza_size
```

	pizza_size	PST
1	L	45.89
2	M	30.49
3	S	21.77
4	XL	1.72
5	XXL	0.12

Query for % of sales by Pizza sales for first quarter:

```
select pizza_size, cast(sum(total_price)  * 100/
(select sum(total_price) from pizza_sales where datepart(quarter, order_date)
= 1          ) as decimal(10,2)) as PST
from pizza_sales
where datepart(quarter, order_date) = 1
group by pizza_size
order by pizza_size
```

	pizza_size	PST
1	L	46.37
2	M	29.78
3	S	22.10
4	XL	1.60
5	XXL	0.14

F. Total Pizza Sold by Pizza category

```
select pizza_category, sum(quantity) as Total_Pizzas_Sold from pizza_sales
group by pizza_category
```

	pizza_category	Total_Pizzas_Sold
1	Classic	14888
2	Chicken	11050
3	Veggie	11649
4	Supreme	11987

G. Top 5 Best Selling Pizza

```
select TOP 5 pizza_name, sum(quantity) as Total_pizzas_Sold
from pizza_sales
group by pizza_name
order by Sum(quantity) DESC
```

	pizza_name	Total_pizzas_Sold
1	The Classic Deluxe Pizza	2453
2	The Barbecue Chicken Pizza	2432
3	The Hawaiian Pizza	2422
4	The Pepperoni Pizza	2418
5	The Thai Chicken Pizza	2371

H. Bottom 5 Worst Sellers Pizza By Pizzas Sold

```sql
select Top 5 pizza_name, sum(quantity) as Total_Pizza_Sold
 from pizza_sales
 group by pizza_name
 order by SUM(quantity)
```

	pizza_name	Total_Pizza_Sold
1	The Brie Carre Pizza	490
2	The Mediterranean Pizza	934
3	The Calabrese Pizza	937
4	The Spinach Supreme Pizza	950
5	The Soppressata Pizza	961